REQUEST FOR RETURN OF COPYRIGHT DEPOSITS

Dated at New York

Sept. 15th, 1926.

SEP 16'26

Register of Copyrights,
Library of Congress,
Washington, D. C.

Dear Sir:

The undersigned claimant of copyright in the work herein named, deposited in the Copyright Office and duly registered for copyright protection, requests the return to him under the provisions of sections 59 and 60 of the Act of March 4, 1909, of one or both of the deposited copies of the

entitled

"HOW THE FIRES OF THE BODY ARE FED"

deposited in the Copyright Office on and registered under Class ©CM 3571, XXc., No. .

If this request can be granted you are asked and authorized to send the said copy or copies to me at the following address:

or

to Pathe Exchange, Inc.,

at 1600 Broadway, New York City, New York.

Signed CARPENTER-GOLDMAN LABORATORIES, INC.
(Claimant of Copyright)

BY Walter L. Post,
Attorney.

(Sept., 1924—500)

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SEP 25 1926

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SEP-8'26

HOW THE FIRES OF THE BODY ARE FED

A Study of the Human Digestive Process

A New Type of Motion Picture

This film on "HOW THE FIRES OF THE BODY ARE FED" is a study, in motion pictures, of the mechanical processes that take place during digestion.

The X-Ray motion pictures of peristalsis, made from a living subject, are a striking feature of this film and introduce a new technique for the study of the activities of the internal organs of the human body.

FILM TITLES

1. An ocean liner is driven by a giant screw propeller.
2. An engine drives the propeller.
3. Steam from huge boilers drives the engine.
4. Burning oil or coal heats the water in the boilers into steam, --
5. -- and deep in the stoke-hole, men feed the fires day and night to keep the ship in motion.
6. All these activities go on inside a ship, but we rarely think about them when we watch a ship in action.
7. So, too, when we watch that most perfect machine -- the Human Body -- we rarely think about the source of its energy.
8. Like the steamer, the human machine would not work without continuously using up fuel.
9. In the feeding of a hungry man one may see the stoking of the fires.
10. Let us examine the human mechanism as we did the boat.
11. The FUEL or food is ground and mixed with saliva in the mouth.
12. It then passes down the oesophagus to the stomach.
13. The stomach is the place where the food is made ready to be absorbed.
14. By using X-Rays we may see something of the way the stomach handles the food.

15. The stomach serves as a mixing vat where digestive juices from its lining reduce most of the food to a liquid.

16. From the stomach the food passes a GATE or valve into the small intestine.

17. At this point more digestive fluids are added from the pancreas, gall-bladder and liver.

18. The food is then carried through about twenty feet of small intestine by a muscular action called PERISTALSIS.

19. In the nematode, a microscopic animal, we may watch a peristalsis like that of the human intestine.

20. The food in passing along this small intestine comes into contact with more than four million fine projecting points called VILLI.

21. The liquified food soaks through the covering of these villi into capillaries of the blood system and into vessels called LYMPH DUCTS.

22. From the small intestine the remainder of the food passes another VALVE and on through the large intestine.

23. The lymph ducts of the intestinal villi are part of a lymphatic network which extends throughout the body.

24. Most of the food absorbed by this system is emptied into the blood stream by the THORACIC DUCT.

25. Hence, both the lymph ducts and the blood capillaries of the villi send the food to the central pumping station.

26. As part of the blood, the food is pumped by the heart to every part of the body.

27. It circulates into the finest capillaries and soaks through their walls to bathe the cells that make up the muscle fibres.

28. In every muscle the living cells transform the chemical energy of the absorbed food into the physical energy of motion.

29. Thus, throughout our lives, the fires of our bodies are fed directly by the foods we eat, and our health is largely governed by our eating.

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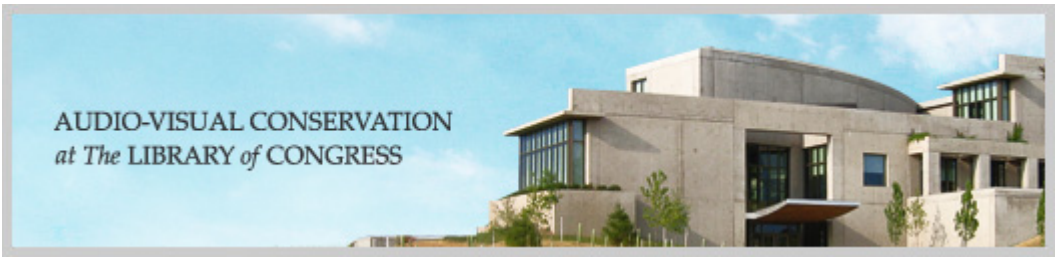

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